

NPP/ VIIRS Level 3 Surface Reflectance Product Description

There are four Level 3 surface reflectance products produced at LPEATE, one tiled daily, one global CMG- grid daily, and two 8- day composite products. The Level 3 daily tiled surface reflectance product, NPP_DSRFIP_L3, is produced at (resolution), on the standard MODIS tile grid. The Level 3 daily CMG product, NPP_SRFLIP_CMG, is produced at 0.05 degree resolution on a global grid. One of the 8- day products, NPP_D8SRF1KM_L3D, is produced at 1km resolution, and the other, NPP_D8SRFHKM_L3D, is produced at 500m resolution.

Each of the products are produced for a subset of the VIIRS reflective bands. NPP_DSRFIP_L3 is produced for M1- M5, M7, M8, M10, and M11. NPP_D8SRFHKM_L3D is produced for bands I1- I3, and NPP_SRFLIP_CMG is produced for bands I1- I3 and for M1-M5, M7, M8, M10, and M11. NPP_DSRF1KM_L3D is produced for (M1- M9?)

Example images for each Level 3 surface reflectance product are shown below. These are followed by an interdependency diagram for the VIIRS surface reflectance products, Level 3 product file specifications, and a table of the quality flags that accompany the Level 3 surface reflectance products.